

Form Ref: HSI-10	<b>Independent Health &amp; Safety Inspection – Blue Star Item</b>	Version: 2.0 Jun 2015
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	<b>Awarded for Exceptional Performance or New Initiative not widely used on other sites</b>
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<b>Project</b>	<b>Principal Contractor (PC)</b>	<b>Date of Inspection</b>
M6 J16-19	Carillion Kier Joint Venture	21/10/16
<b>Site Contact</b>	<b>Email Address</b>	<b>Telephone Number</b>
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<b>Description of Blue Star Item</b>	<p>The project has put a lot of effort into improvements in PPE. Three recent examples are</p> <ol style="list-style-type: none"> <li>1. A light vest to improve visibility of night workers</li> <li>2. LED and fibre optic helmet light to ensure black helmets are visible at night</li> <li>3. High visibility arm band to identify banksmen</li> </ol>
<b>Benefits of Blue Star Item</b>	<ol style="list-style-type: none"> <li>1. Following concerns raised by the workforce that their perception was that orange PPE is not as visible as yellow PPE, especially at night, the project consulted with its supply chain which identified a manufacturer of a high visibility vest which had integrated LED lights. It quickly became apparent that the LEDs not only improved conspicuity of the workforce but that they also provided sufficient local light to act as task lighting for general activities. The lightvest has been trialled by TM and construction operatives working at night and has had a lot of positive feedback. As a result of the feedback a modified lightvest with the LEDs higher on the garment is being produced. The lightvest gives a total of 480 lumen giving general lighting 5m to the front.</li> <li>2. Carillion has been using yellow helmets to identify supervisors as these are equally visible during the day and the night. Following a HE decision to require the use of black helmets for supervisors the project has worked with its supply chain to research the incorporation of improved night visibility into helmets. In the meantime, a new to the market helmet light has been developed which provides up to 50m visibility at night which in conjunction with the use of adhesive reflectors significantly improves visibility of black helmets at night.</li> <li>3. The use of coloured tabards to designate banksmen has been used in the past but requires the use of an additional layer of PPE and may interfere with conspicuity of the main PPE. A yellow reflective armband has been produced by our supply chain to help clearly identify banksmen on site without compromising the conspicuity of high visibility jackets.</li> </ol>
<b>Details and Cost of any Specific Product</b>	

**Photograph**

1. Lightvest



**Photograph**

2. Helmet light



Photograph

3. Banksman armband

